

Material Safety Data Sheet

SYNERGIZE



Revision Date: 17-Oct-13

24-HOUR EMERGENCY
1-800-255-3924

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SYNERGIZE Product Code: 333600
General Description: QUAT/GLUTARALDEHYDE - MIXTURE
Company Information: Preserve International
PO Box 17003
Reno, NV 89511
USA
1-209-664-1607

SECTION 2 - COMPOSITION/IDENTITY INFORMATION

Hazardous Ingredients	CAS Number	%
Alkyl dimethyl benzyl ammonium chloride	68391-01-5	26.0
Glutaraldehyde	111-30-80	7.0
Phosphoric Acid *	7664-38-2	1 - 5

* SARA Section 313 toxic chemical, emission or release of which must be reported as a part of SARA Title III community right to know provisions.

SECTION 3 - HAZARDS IDENTIFICATION

This product can cause irritation to eyes, skin, upper respiratory tract and mucous membranes. May be fatal if swallowed.

SECTION 4 - FIRST AID MEASURES

If in Eyes:

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present after the first 5 minutes, then continue rinsing. Contact a physician immediately.

If Swallowed:

Have person sip a glass of water if able to swallow. Do not give anything to an unconscious person. Do not induce vomiting. Contact a physician immediately.

If Breathing Difficulty Occurs:

Move person to fresh air. Contact a physician immediately.

If on Skin:

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Contact a physician immediately.

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SECTION 5 - FIRE FIGHTING MEASURES

This product is not flammable. Wear self-contained breathing apparatus and protective gear to prevent skin contact with corrosive solutions. Extinguishing Media: Water spray, foam, CO2, Dry Chemicals

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Contain spills and dispose of according to federal and local regulations.

SECTION 7 - HANDLING AND STORAGE

Handling: Use proper personal protective equipment as indicated in Section 8. Do not get in eyes, on skin, or on clothing. Use only in well-ventilated areas.

Storage: Store in a closed container away from sources of heat. Keep away from children. If product becomes frozen, thaw and mix well before use.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

If exposure limits listed in Section 11 are exceeded, use appropriate personal protective equipment, such as those depicted to the right.



SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: VISCOUS, CLEAR LIQUID

Odor: LIGHT PINE

Specific Gravity: 1.02 - 1.05

pH (as is): 4.50 - 5.25

Solubility in Water: COMPLETE

Note: The above properties are typical values and are not to be construed as a guaranteed analysis for any specific lot or as specifications for the product.

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: Toxic hypochlorous gas if mixed with chlorine. May produce Aldehyde fumes.

Hazardous Polymerization: Will not occur.

Incompatibilities: Alkaline material. Chlorinated material.

Conditions to avoid: Contact with alkaline materials and reactive metals may react to produce hydrogen gas that can produce an explosive in confined vessels.

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SECTION 11 - TOXICOLOGICAL INFORMATION

Chemical Name	OSHA Permissible Exposure Limit (PEL)	ACGIH Threshold Limit Value (TLV)
Alkyl dimethyl benzyl ammonium chloride	NE	NE
Glutaraldehyde	0.2 ppm	NE
Phosphoric Acid *	1 mg/m3	1 mg/m3

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SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: This product is expected to be fatal to aquatic life.
Environmental fate: No data available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

U.S. Department of Transportation (DOT) Classification:

Proper Shipping Name: Corrosive Liquid, Acidic, Inorganic NOS (Phosphoric Acid)

Hazard Class: 8
 UN Number: 3264
 Packing Group: III

Canadian Transportation of Dangerous Goods (TDG) Regulations:

Identical to U.S. DOT above.

International Maritime Dangerous Goods (IMDG) Code:

Identical to U.S. DOT above.

International Air Transport Association (IATA) Dangerous Goods Regulations:

Identical to U.S. DOT above.

SECTION 15 - REGULATORY INFORMATION

Hazard Symbol(s): Corrosive
 Risk Phrase(s): R21 Harmful if in contact with skin.
 R22 Harmful if swallowed.
 R34 Causes Burns

NFPA HAZARD

CLASSIFICATION TOXIC 3 FIRE 1 REACTIVE 1 SPECIAL -

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SECTION 16 - OTHER INFORMATION

Reason for Revision:

Prepared by: Preserve International MSDS Department

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